

**Summary Report for Individual Task**  
**011-15Q-0025**  
**Decode METAR Weather Reports**  
**Status: Approved**

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**Distribution Restriction:** Approved for public release; distribution is unlimited.

**Destruction Notice:** None

**Foreign Disclosure: FD5** - This product/publication has been reviewed by the product developers in coordination with the USAACE/Fort Rucker foreign disclosure authority. This product is releasable to students from all requesting foreign countries without restrictions.

**Condition:** As an air traffic controller in an ATC facility with a requirement to provide pilots with information contained in the encoded United States (CONUS) or International (Overseas) Aviation Routine Weather Report (METAR). Given appropriate DOD FLIPs, FAA JO 7350.9, FAA-H-8083-25, FAAH 7340, and FAA weather Advisory Circulars. Some iterations of this task should be performed in MOPP 4.

**Standard:** Decode information contained in Aviation Routine Weather Report (METAR) in accordance with (IAW) DOD Flight Information Handbook (FIH) Section C, Federal Aviation Administration (FAA) Advisory Circular (AC) 00-45 AWS Section 2 & 3, FAA AC 00-6 AW, FAAO (JO) 7110.10, FAAO JO 7340 (Aeronautical Contractions), FAAO JO 7350.9 (Location Identifiers), ICAO 7910 (Location Identifiers) and FAA-H-8083-25 Pilot Handbook of Aeronautical Knowledge; Chapter 12.

**Special Condition:** None

**Safety Risk:** Low

**MOPP 4:** Sometimes

Task Statements
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**Cue:** A current METAR encoded weather report has been received.

**DANGER**

None

**WARNING**

None

**CAUTION**

None

**Remarks:** None

**Notes:** Current FAAO publications and FAA Advisory Circulars (ACs) are non-APD linked references and can be found on the Federal Aviation Administration (FAA) website under "Air Traffic Plans and Publications" or by going to the following address: [http://www.faa.gov/air\\_traffic/publications/](http://www.faa.gov/air_traffic/publications/).

### Performance Steps

1. Decode information contained in aviation routine weather report (METAR) IAW DOD FIH, FAA AC 00-45, FAA AC 00-6 AW, FAAO JO 7110.10, FAAO JO 7340, FAAO JO 7350.9 and Pilot Handbook of Aeronautical Knowledge.

- a. Identify the type of report (METAR or SPECI).
- b. Decode the station identifier.
- c. Decode the time of report.
- d. Decode the wind data.
- e. Decode the wind as steady or variable.
- f. Decode the visibility data.
- g. Decode the Runway Visual Range (RVR).
- h. Decode weather elements and obstructions to vision.
- i. Decode the sky and ceiling conditions.
- j. Decode the temperature and dew point.
- k. Decode the altimeter setting.
- l. Decode information in the remarks section of the METAR.

2. Relay decoded METAR to the pilot using the appropriate phraseology.

(Asterisks indicates a leader performance step.)

**Evaluation Guidance:** Score the Soldier GO if all performance measures are passed (P). Score the Soldier NO GO if any performance measure is failed (F). If the Soldier scores NO GO, show the Soldier what was done wrong and how to do it correctly.

**Evaluation Preparation:** Setup: Test this task in conjunction with other air traffic control facility related tasks. Brief Soldier: Tell the Soldier to decode METAR weather reports.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Decoded information contained in aviation routine weather report (METAR) IAW DOD FIH, FAA AC 00-45, FAA AC 00-6 AW, FAAO JO 7110.10, FAAO JO 7340, FAAO JO 7350.8R and Pilot Handbook of Aeronautical Knowledge.			
a. Identified the type of report (METAR or SPECI).			
b. Decoded the station Identifier.			
c. Decoded the time of report.			
d. Decoded the wind data.			
e. Decoded the wind as steady or variable.			
f. Decoded the visibility data.			
g. Decoded the Runway Visual Range (RVR).			
h. Decoded the weather elements and obstructions to vision.			
i. Decoded the sky and ceiling conditions.			
j. Decoded the temperature and dew point.			
k. Decoded the altimeter setting.			
l. Decoded information in the remarks section of the METAR.			
2. Relayed decoded METAR to pilot using appropriate phraseology.			

**Supporting Reference(s):**

Step Number	Reference ID	Reference Name	Required	Primary
	APPROPRIATE DOD FLIPS	APPROPRIATE DOD FLIPS	Yes	No
	DOD FLIP-FIH	DOD Flight Information Publication-Flight Information Handbook (Use Current Version)	No	No
	FAA AC 00-45()	FAA Advisory Circular, Aviation Weather Services (Use current version)	No	No
	FAA AC 00-6()	FAA Advisory Circular, Aviation Weather For Pilots and Flight Operations Personnel(Use current version)	No	No
	FAA JO 7350.	Location Identifiers(Use Current Version)	Yes	No
	FAA-H-8083-25	Pilot's Handbook of Aeronautical Knowledge(Use current version)	Yes	No
	FAAH 7340.1	Aeronautical Contractions(Use Current Version)	Yes	No
	ICAO MANUAL 7910	Location Identifiers (Overseas Only).	No	No

**Environment:** Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT. It is the responsibility of all Soldiers and DA civilians to protect the environment, and to participate in the Army's Environmental Management System (EMS) at the installation where they are assigned. The key points of an EMS are:

- We are committed to the prevention of pollution.
- We are committed to meeting all applicable legal and regulatory requirements.
- We will strive for continual improvement in environmental management.

A sustainable installation will use resources wisely to support the current mission, without compromising the ability to accomplish future missions.

Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment and reduce waste during training and missions. In doing so,

you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects.

**Safety:** In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination.

**Prerequisite Individual Tasks :** None

**Supporting Individual Tasks :** None

**Supported Individual Tasks :**

Task Number	Title	Proponent	Status
011-15Q-0032	Prepare the Air Traffic Navigation, Integration, and Coordination System (ATNAVICS), AN/TPN-31, for Movement	011 - Aviation (Individual)	Analysis
011-15Q-1061	Install the Air Traffic Control Central, AN/TSW-7A	011 - Aviation (Individual)	Analysis

**Supported Collective Tasks :** None